

REMARKS

This is in response to the Office Action mailed on October 19, 2005. In the Office Action, claims 1-31 were pending.

Claims 1-3, 5-10, 14-18 and 20-31 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Bruderlin et al. (US Patent Application US2003-0179203). Additionally, claims 12 and 13 were rejected under 35 U.S.C. § 103(a) as being unpatentable under Bruderlin et al. in view of Liu, an article entitled "Synthesizing Bidirectional Texture Functions for Real-World Surfaces". Furthermore, claims 1-3, 8-9, 16 and 24 were rejected under 35 U.S.C. § 102(a) as being anticipated by Franco et al., an article entitled "Modeling the Structure of Feathers".

Claims 4, 11 and 19 were rejected to as being dependent upon a rejected base claim but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. With this amendment, independent claims 1, 9 and 16 have been amended to recite the subject matter of claims 4, 11 and 19. As such, claims 4, 11 and 19 have been cancelled.

Furthermore, independent claim 24 has been amended to recite a computer interface for generating feathers. The interface includes a rachis input module to selectively change rachis curves and a barb input module to selectively change a barb. Furthermore, the interface includes a random input to randomly rotate barb curves to simulate an external force placed on the barb curves and an outline input module to selectively change an outline curve. In this manner, claim 24 has been amended to include subject matter similar to that recited in claims 4, 11 and 19. As a result, claim 24 is believed to be allowable.

In view of the foregoing, applicant submits that the pending claims are in condition for allowance. Favorable action is requested.

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.

Respectfully submitted,

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